

PATENT
IBM Docket No. FR9-2000-0041US1

Listing of Claims (including status and amendments):

1 1. (Canceled) A method for preventing robots from browsing a Web
2 site beyond a welcome page [110], said method in said Web site
3 comprising the steps of:

4 receiving an initial request from an undefined originator
5 and responding to said initial request [300] with a challenge
6 [310] that prompts a response from said undefined originator; and
7
8 receiving a response [320] from said undefined originator and
9 checking [330] said response to determine whether said challenge
10 is fulfilled; and

11 if said challenge is fulfilled:

12 processing any further requests; and

13 if said challenge is not fulfilled:

14 stopping processing of any further requests.

1 2. (Currently amended) A method for preventing robots from
2 browsing a Web site beyond a welcome page [110], said method in
3 said Web site comprising the steps of:

4 receiving an initial request from an undefined originator
5 and responding to said initial request [300] with a challenge
6 [310] that prompts a response from said undefined originator; and

PATENT
IBM Docket No. FR9-2000-0041US1

7 receiving a response [320] from said undefined originator and
8 checking [330] said response to determine whether said challenge
9 is fulfilled; and

10 if said challenge is fulfilled:

11 processing any further requests; and

12 if said challenge is not fulfilled:

13 stopping processing of any further requests; the
14 method according to Claim 1 and wherein said step of stopping
15 processing of said further requests includes the further step of:

16 dropping or redirecting a TCP connection [352] established
17 with said undefined originator.

1 3. (Currently amended) A method for preventing robots from
2 browsing a Web site beyond a welcome page [110], said method in
3 said Web site comprising the steps of:

4 receiving an initial request from an undefined originator
5 and responding to said initial request [300] with a challenge
6 [310] that prompts a response from said undefined originator; and

7 —
8 receiving a response [320] from said undefined originator and
9 checking [330] said response to determine whether said challenge
10 is fulfilled; and

11 if said challenge is fulfilled:

12 processing any further requests; and

PATENT
IBM Docket No. FR9-2000-0041US1

13 if said challenge is not fulfilled:
14 stopping processing of any further requests; and the
15 method according to Claim 1 further including the steps of:

16 logging a source IP address [361] of said undefined
17 originator and

18 starting a timer [362].

1 4. (Original) The method according to Claim 2 further
2 including the steps of:

3 logging a source IP address [361] of said undefined
4 originator and

5 starting a timer [362].

1 5. (Original) The method according to Claim 2 further
2 including steps upon receiving a new request [410] of:

3 checking [420] whether a source IP address of said new
4 request matches said logged source IP address; and

5 if said source IP address matches said logged source IP
6 address:

7 checking [430] whether said timer has expired and,

8 if said timer is expired,

PATENT
IBM Docket No. FR9-2000-0041US1

9 resetting [40] said logged IP address; and
10 proceeding [450] normally with said new request; and
11 if said timer is not expired,
12 dropping or redirecting said TCP connection [460];
13 if said source IP address does not match said logged source
14 IP address,
15 proceeding [450] normally with said new request and
16 executing all the above steps with each newly received request
17 [410].

1 6. (Original) The method according to Claim 4 further
2 including steps upon receiving a new request [410] of:

3 checking [420] whether a source IP address of said new
4 request matches said logged source IP address; and

5 if said source IP address matches said logged source IP
6 address:

7 checking [430] whether said timer has expired and,

8 if said timer is expired,

9 resetting [40] said logged IP address; and

PATENT
IBM Docket No. FR9-2000-0041US1

10 proceeding [450] normally with said new request; and

11 if said timer is not expired,

12 dropping or redirecting said TCP connection [460];

13 if said source IP address does not match said logged source

14 IP address,

15 proceeding [450] normally with said new request and

16 executing all the above steps with each newly received request

17 [410].

1 7. (Original) The method according to any one of Claims [[1]]

2 2-6, wherein:

3 said challenge includes prompting said undefined originator

4 to perform a specific action [130].

1 8. (Original) The method according to any one of Claims [[1]]

2 2-6 wherein:

3 said prompting is different at each subsequent access of

4 said web site.

1 9. (Original) The method according to Claim 7 wherein:

2 said prompting is different at each subsequent access of

3 said web site.

PATENT
IBM Docket No. FR9-2000-0041US1

1 **10.** (Original) The method according to any one of the
2 previous Claims 1-6 wherein:

3 said response includes making a choice among a plurality of
4 prompted response options [120].

1 **11.** (Original) The method according to Claim 7 wherein:

2 said response includes making a choice among a plurality of
3 prompted response options [120].

1 **12.** (Original) The method according to Claim 8 wherein:

2 said response includes making a choice among a plurality of
3 prompted response options [120].

1 **13.** (Original) The method according to Claim 9 wherein:

2 said response includes making a choice among a plurality of
3 prompted response options [120].

1 **14.** (Original) The method according to any one of the previous
2 Claims [[1]] 2-6, wherein said response includes an answer to a
3 quiz [510].

1 **15.** (Original) The method according to Claim 7, wherein said
2 response includes an answer to a quiz [510].

PATENT
IBM Docket No. FR9-2000-0041US1

1 16. (Original) The method according to Claim 8, wherein said
2 response includes an answer to a quiz [510].

1 17. (Original) The method according to Claim 9, wherein said
2 response includes an answer to a quiz [510].

1 18. (Original) The method according to Claim 10, wherein said
2 response includes an answer to a quiz [510].

1 19. (Original) The method according to Claim 11, wherein said
2 response includes an answer to a quiz [510].

1 20. (Original) The method according to Claim 12, wherein said
2 response includes an answer to a quiz [510].

1 21. (Original) The method according to Claim 13, wherein said
2 response includes an answer to a quiz [510].

1 22. (Original) The method according to any one of the previous
2 Claims [[1]] ~~2-6, 9, 11-13, and 14-21~~, wherein said response is
3 suggested by textual meaning [530].

1 23. (Original) The method according to Claim 7, wherein said
2 response is suggested by textual meaning [530].

1 24. (Original) The method according to Claim 8, wherein said
2 response is suggested by textual meaning [530].

PATENT
IBM Docket No. FR9-2000-0041US1

1 25. (Original) The method according to Claim 10, wherein said
2 response is suggested by textual meaning [530].

1 26. (Original) The method according to Claim 14, wherein said
2 response is suggested by textual meaning [530].

1 27. (Canceled) A computer process for preventing robots from
2 browsing a web site beyond a welcome page, comprising computer-
3 executable steps of:

4 receiving an initial request from an undefined originator and
5 responding to said initial request [300] with a challenge [310]
6 that prompts a response from said undefined originator; and
7 receiving a response [320] from said undefined originator and
8 checking [330] said response to determine whether said challenge
9 is fulfilled; and

10 if said challenge is fulfilled:
11 processing any further requests; and

12 if said challenge is not fulfilled:
13 stopping processing of any further requests.

1 28. (Currently amended) A computer process for preventing robots
2 from browsing a web site beyond a welcome page, comprising
3 computer-executable steps of:

PATENT
IBM Docket No. FR9-2000-0041US1

4 receiving an initial request from an undefined originator and
5 responding to said initial request [300] with a challenge [310]
6 that prompts a response from said undefined originator; and
7 receiving a response [320] from said undefined originator and
8 checking [330] said response to determine whether said challenge
9 is fulfilled; and

10 if said challenge is fulfilled:
11 processing any further requests; and

12 if said challenge is not fulfilled:
13 stopping processing of any further requests

14 A computer process as claimed in Claim 27, further including
15 computer-executable steps for:

16 dropping or redirecting a TCP connection [352] established
17 with said undefined originator.

1 29. (Currently amended) A computer process for preventing
2 robots from browsing a web site beyond a welcome page, comprising
3 computer-executable steps of:

4 receiving an initial request from an undefined originator and
5 responding to said initial request [300] with a challenge [310]
6 that prompts a response from said undefined originator; and
7 receiving a response [320] from said undefined originator and
8 checking [330] said response to determine whether said challenge
9 is fulfilled; and

PATENT

IBM Docket No. FR9-2000-0041US1

~~if said challenge is fulfilled:~~

~~processing any further requests; and~~

~~if said challenge is not fulfilled:~~

~~stopping processing of any further requests; and A~~

~~computer process as claimed in Claim 27,~~

Logging a source IP address [361] of said undefined
originator and

starting a timer [362].

30. (Original) A computer process as claimed in Claim 28,

Logging a source IP address [361] of said undefined
originator and

starting a timer [362].

31. (Original) A computer process according to Claim 29,
further including computer-executable steps for:

checking [420] whether a source IP address of said new
request matches said logged source IP address; and

if said source IP address matches said logged source IP
address:

checking [430] whether said timer has expired and,

PATENT
IBM Docket No. FR9-2000-0041US1

8 if said timer is expired,

9 resetting [40] said logged IP address; and

10 proceeding [450] normally with said new request; and

11 if said timer is not expired,

12 dropping or redirecting said TCP connection [460];

13 if said source IP address does not match said logged source

14 IP address,

15 proceeding [450] normally with said new request and

16 executing all the above steps with each newly received request

17 [410].

1 **32.** (Original) A computer process according to Claim 31,

2 further including computer-executable steps for:

3 checking [420] whether a source IP address of said new

4 request matches said logged source IP address; and

5 if said source IP address matches said logged source IP

6 address:

7 checking [430] whether said timer has expired and,

8 if said timer is expired,

PATENT
IBM Docket No. FR9-2000-0041US1

9 resetting [40] said logged IP address; and
10 proceeding [450] normally with said new request; and
11 if said timer is not expired,
12 dropping or redirecting said TCP connection [460];
13 if said source IP address does not match said logged source
14 IP address,
15 proceeding [450] normally with said new request and
16 executing all the above steps with each newly received request
17 [410].

1 33. (Original) A computer process according to any one of
2 claims 28-32, further including computer-executable steps for:

3 prompting said undefined originator to perform a specific
4 action.

1 34. (Original) A computer process according to any one of
2 claims 28-32, further including computer-executable steps for:

3 changing said prompting at each access of said website.

1 35. (Currently amended) A computer [[r]]process according to
2 claim 33, further including computer-executable steps for:

PATENT
IBM Docket No. FR9-2000-0041US1

3 checking [420] whether a source IP address of said new
4 request matches said logged source IP address; and

5 if said source IP address matches said logged source IP
6 address:

7 checking [430] whether said timer has expired and,
8 if said timer is expired,

9 resetting [40] said logged IP address; and

10 proceeding [450] normally with said new request; and

11 if said timer is not expired,

12 dropping or redirecting said TCP connection [460];

13 if said source IP address does not match said logged source
14 IP address,

15 proceeding [450] normally with said new request and
16 executing all the above steps with each newly received request
17 [410].

1 **36. (Currently amended)** A computer process according to any
2 one of Claims 28-32, further including computer-executable steps
3 for:

PATENT
IBM Docket No. FR9-2000-0041US1

4 prompting said undefined originator to make a response
5 chosen from among a plurality of prompted response options.

1 37. (Original) A computer process according to Claim 33, further
2 including computer-executable steps for:

3 prompting said undefined originator to make a response
4 chosen from among a plurality of prompted response options.

1 38. (Original) A computer process according to Claim 34, further
2 including computer-executable steps for:

3 prompting said undefined originator to make a response
4 chosen from among a plurality of prompted response options.

1 39. (Original) A computer process according to Claim 35, further
2 including computer executable steps for:

3 prompting said undefined originator to make a response
4 chosen from among a plurality of prompted response options.

1 40. (Original) A computer process according to any one of Claims
2 28-32, further including computer-executable steps for:

3 prompting said undefined originator to make a response that
4 is an answer to a quiz.

1 41. (Original) A computer process according to Claim 33,
2 further including computer-executable steps for:

PATENT
IBM Docket No. FR9-2000-0041US1

3 prompting said undefined originator to make a response that
4 is an answer to a quiz.

1 42. (Original) A computer process according to Claim 34,
2 further including computer-executable steps for:

3 prompting said undefined originator to make a response that
4 is an answer to a quiz.

1 43. (Original) A computer process according to Claim 35,
2 further including computer-executable steps for:

3 prompting said undefined originator to make a response that
4 is an answer to a quiz.

1 44. (Original) A computer process according to Claim 36,
2 further including computer-executable steps for:

3 prompting said undefined originator to make a response that
4 is an answer to a quiz.

1 45. (Original) A computer process according to Claim 37,
2 further including computer-executable steps for:

3 prompting said undefined originator to make a response that
4 is an answer to a quiz.

1 46. (Original) A computer process according to Claim 38,
2 further including computer-executable steps for:

PATENT
IBM Docket No. FR9-2000-0041US1

3 prompting said undefined originator to make a response that
4 is an answer to a quiz.

1 **47.** (Original) A computer process according to Claim 39,
2 further including computer-executable steps for:

3 prompting said undefined originator to make a response that
4 is an answer to a quiz.

1 **48.** (Original) A computer process according to any one of Claims
2 28-32, further including computer-executable steps for:

3 prompting said undefined originator to make a response
4 based upon the knowledge content of said prompt.

1 **49.** (Original) A computer process according to Claim 33,
2 further including computer-executable steps for:

3 prompting said undefined originator to make a response based
4 upon the knowledge content of said prompt.

1 **50.** (Original) A computer process according to Claim 34,
2 further including computer-executable steps for:

3 prompting said undefined originator to make a response based
4 upon the knowledge content of said prompt.

1 **51.** (Original) A computer process according to Claim 35, further
2 including computer executable steps for:

PATENT
IBM Docket No. FR9-2000-0041US1

3 prompting said undefined originator to make a response based
4 upon the knowledge content of said prompt.

1 52. (Original) A computer process according to Claim 36, further
2 including computer executable steps for:

3 prompting said undefined originator to make a response based
4 upon the knowledge content of said prompt.

1 53. (Original) A computer process according to Claim 37, further
2 including computer executable steps for:

3 prompting said undefined originator to make a response based upon
4 the knowledge content of said prompt.

1 54. (Original) A computer process according to Claim 38, further
2 including computer executable steps for:

3 prompting said undefined originator to make a response based
4 upon the knowledge content of said prompt.

1 55. (Original) A computer process according to Claim 39, further
2 including computer executable steps for:

3 prompting said undefined originator to make a response based
4 upon the knowledge content of said prompt.
5